

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (currently amended): A device for measuring [[the]] a clearance [[J]] between [[the]] tips [[(3)]] of [[the]] blades [[(2)]] of a ring of blades and [[the]] an interior wall [[(4)]] of [[the]] a casing [[(5)]] surrounding said ring of blades in a turbomachine, characterized in that it comprises comprising:

a probe [[(2)]] which can be mounted radially on the casing [[(5)]] and at least one end of which is made of a material that can be abraded by the tips [[(3)]] of [[the]] blades [[(2)]] as they rotate[[,]]; and

a printed circuit [[(12)]] arranged in [[the]] a mid-plane of said probe, (7) which contains the said probe containing an axis of rotation [[X]] of said ring of blades,

wherein [[this]] the printed circuit (12) comprising comprises a number plurality of adjacent U-shaped electrical circuits (20a to 20e) the having bases (22a to 22e) of which are arranged in a probe end likely to be abraded by the [[blade]] tips [[(3)]] of blades and lie at different depths (za to ze) from a reference level [[(24)]] defining the interior wall [[(4)]] of [[the]] casing [[(5)]], and means [[(9)]] for recognizing [[the]] which U-shaped electrical circuits [[which]] have been broken by abrasion and [[the]] which U-shaped electrical circuits [[which]] are intact.

Claim 2 (currently amended): The device as claimed in claim 1, characterized in that wherein two adjacent U-shaped electrical circuits have a common branch.

Claim 3 (currently amended): The device as claimed in claim 2, characterized in that wherein the depths (za to ze) of the bases (22a to 22e) increase by a predetermined step between [[the]] a shortest lateral U-shaped electrical circuit [[(20a)]] and [[the]] a longest lateral U-shaped electrical circuit [[(20e)]].

Claim 4 (currently amended): The device as claimed in claim 3, ~~characterized in that~~ wherein [[the]] an outer branch [[(21a)]] of the shortest lateral U-shaped electrical circuit [[(20a)]] is connected to a first electrical terminal [[(16a)]], and the other branches of the U-shaped electrical circuits are connected to a common second electrical terminal [[(16b)]] via a respective one of a plurality resistor (R) of a set of resistors.

Claim 5 (currently amended): The device as claimed in claim 4, ~~characterized in that~~ wherein the plurality of resistors (R) of the set all have practically the same resistance.

Claim 6 (currently amended) The device as claimed in either of claims 4 and 5, ~~characterized in that~~ wherein said terminals (16a, 16b) are connected to an electrical circuit external to the probe which comprises means [[(9)]] for measuring [[the]] an equivalent impedance of the resistors of the intact circuits.